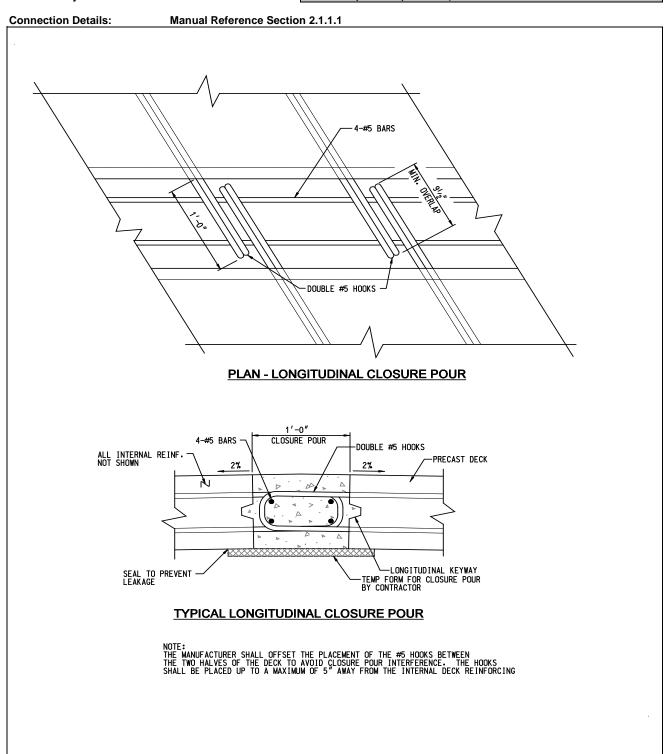
Connection Details for Prefabricated Bridge Elements

Federal Highway Administration

Organization:	Iowa Department of Transportation		Detail Num	nber		2.1.1.1
Contact Name:	Ahmad Abu-Hawash, Chief Structural Eng.		Phone Num	nber:	(515-239-	1393
Address:	Office of Bridge and Structures 800 Lincoln Way		E-mail:		ahmad.ab	u-hawash@dot.iowa.gov
	Ames, IA 50010		Detail Cla	Detail Classification Level 2		Level 2
TOPIC AREA: Bridges > Superstructure > Full Depth Deck Slabs						
Components Connected Full Depth Precast Concrete			el	to	Full Depth F	Precast Concrete Deck Panel

Name of Project where the detail was used

Boone County IBRC Project over Squaw Creek



REFERENCE TITLE: Full Depth Deck Panel Zipper Po	our
Description, comments, specifications, and special design p	rocedures
panels measuring 16'-1" wide with a 1' wide longitudinal joint run	n of 33'-2". This deck was made up of two full depth precast deck ning down the centerline of the bridge. The precast panels included our #5 bars where then placed longitudinally in the joint. The joint was with low shrinkage characteristics.
Editorio Notos	
Editor's Notes	
What forces are the connection designed to transmit? (place x in	
Shear x Moment x	Condition of lost increasing (if Increase)
What year was this detail first used? 2006	Condition at last inspection (if known)
How many times has this detail been used? Once	Year of last inspection

What year was this detail first used?	2006 Condition at last inspection (if known)				
How many times has this detail been used?	Once Year of last inspection				
Would you use it again?	Yes (yes/no/maybe)				
On a scale of 1 to 10, how would you rate the performance of this connection in the following categories?					
Speed of Construction 7	(0 very slow, 10 very fast) When compared to conventional construction				
Constructability 10	(0 difficulty making connection, 10 went together easily)				
Cost	(0 expensive, 10 cost effective) When compared to other connection methods				
Durability	(0 not durable, 10 very durable)				
Inspection Access 10	(0 not visible, 10 easily inspected)				
Future Maintenance	(0 will need maintenance, 10 no maintenance anticipated)				